

2012 KENTUCKY ASTHMA PROGRAM FACT SHEET : PENNYRILE AREA DEVELOPMENT DISTRICT

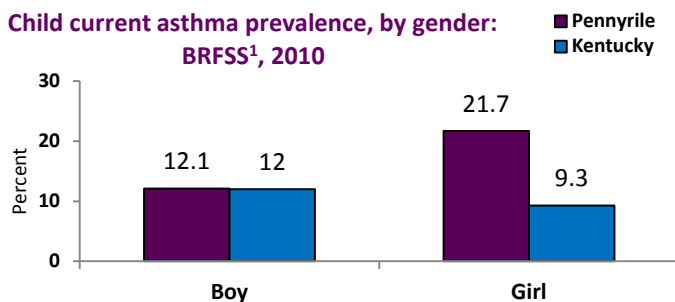
- The Pennyrile District of Kentucky is comprised of 9 counties: Livingston, Crittenden, Lyon, Caldwell, Hopkins, Muhlenberg, Trigg, Christian, and Todd.
- The 2011 Pennyrile District population was roughly 218,700. About 53,100 persons were younger than 18 (children), and about 165,500 were 18 or older (adults).



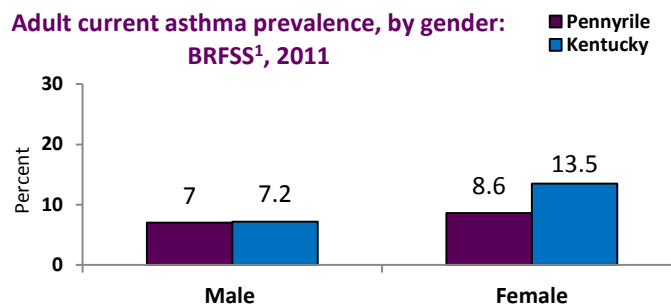
PREVALENCE

- In 2010, an estimated 9,000 children (16.9%) in the Pennyrile District currently had asthma, compared to 10.7% for Kentucky and 8.4% for the United States.¹ In 2011, an estimated 13,000 adults (7.8%) in this district currently had asthma, compared to 10.4% for Kentucky and 9.1% for the United States.¹

Child current asthma prevalence, by gender:
BRFSS¹, 2010



Adult current asthma prevalence, by gender:
BRFSS¹, 2011

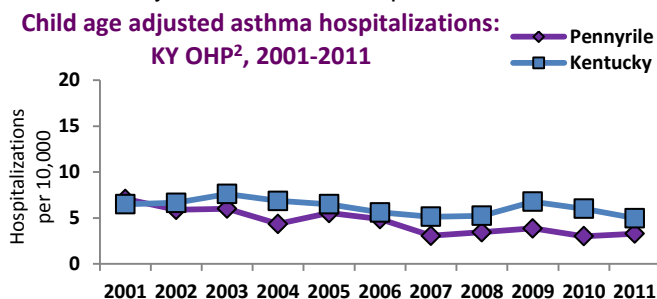


- In 2010, child current asthma prevalence rate was higher in girls than boys in Pennyrile District. In 2011, adult current asthma prevalence rate was lower in this district than the state. (NOTE: BRFSS 2010 data cannot be compared to BRFSS 2011 data because of change in methodology).

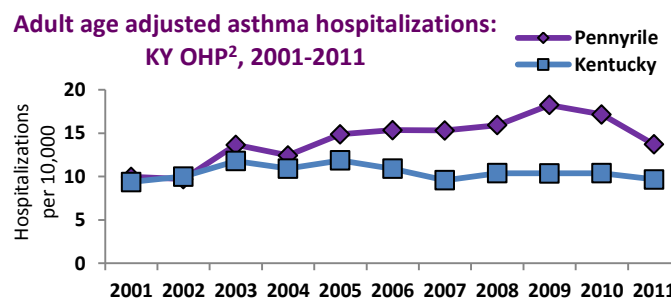
HOSPITALIZATIONS

- In 2011, the age-adjusted hospitalization rate for children was 3.3/10,000 persons compared to the Kentucky rate of 4.9/10,000 persons; while the age-adjusted hospitalization rate for adults was 13.4/10,000 persons compared to the Kentucky rate of 9.7/10,000 persons.

Child age adjusted asthma hospitalizations:
KY OHP², 2001-2011



Adult age adjusted asthma hospitalizations:
KY OHP², 2001-2011



- Child asthma hospitalization rates are lower while adult asthma hospitalization rates are higher in Pennyrile District compared to Kentucky. Between 2001 and 2011, this district averaged 9.4 asthma hospitalizations/10,000 persons/year, while Kentucky averaged 8.3 asthma hospitalizations/10,000 persons/ year over the same 11 year period.²

EMERGENCY DEPARTMENT VISITS

- In 2011, the asthma Emergency Department (ED) visits for children were 1.9/1,000 persons, similar to the state rate of 1.9/1,000 persons³ and for adults were 2.6/1,000 persons compared to the state rate of 2.5/1,000 persons.³

MORTALITY

- Between 2001 and 2010, the average age-adjusted asthma deaths were 1.84 /100,000 persons/year in this district compared to 1.10/100,000 persons/year for Kentucky.⁴ In 2010, crude asthma death rates for Kentucky were 1.01/100,000 persons⁴ compared to the US crude death rate of 1.1/100,000 persons.⁵

NOTES:

1. Behavioral Risk Factor Surveillance System (BRFSS).

3. OHP: Preliminary data 2011.

5. CDC Wonder data: <http://wonder.cdc.gov/ucd-icd10.html>

2. Kentucky, Office of Health Policy (OHP), 2001-2011.

4. Office of Vital Statistics, Kentucky, 2001-2010.

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